

FiberPatrol® 12-Fiber Sensor Cable

FPSP1012-001

General Characteristics

- Central-tube gel-filled tube
- All-dielectric cable eliminates any bonding and grounding requirements
- Designed for ease of installation
- Integrated dielectric strength members provide crush resistance and maintain signal integrity
- Suitable for outdoor above-ground installation

Physical Characteristics

- Fiber count: 12
- Gel-filled tube count: 1
- UV-resistant polyethylene (PE) jacket
- Two glass fiber-reinforced plastic (GRP) strength members
- Dimensions: 8.1 x 4.5 mm (0.32 in x 0.17 in), oval shape
- Cable weight: 30 kg/km (20 lb/1000 ft)
- Maximum tensile strength, short term: 1350 N (300 lbf)
- Maximum tensile strength, long term: 400 N (90 lbf)
- Minimum bend radius, installed: 80 mm (3.15 in)

Optical Specifications

- Fiber type: single-mode (ITU G.652 D)
- Attenuation: 0.25 dB/km or less at 1550 nm

Environmental Specifications

- Temperature:
 - Operating: -40 to +70 °C (-40 to +158 °F)
 - Storage: -40 to +70 °C (-40 to +158 °F)
 - Installation: -30 to +70 °C (-22 to +158 °F)

Regulatory Compliance

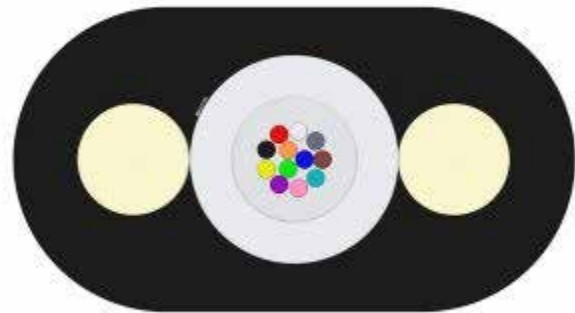
- RoHS 3

Country of Origin

- USA

Orderable Part Number

- FPSP1012-001 - Fiber optic sensor/lead cable for fence applications, 12 fibers. Sold per meter (3.28 ft). Preferred reel lengths to be specified at the time of order



cable cross section